INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/007725

		PCT/JP20	004/00/725
A. CLASSIFICA	TION OF SUBJECT MATTER B66E5/02		
According to Inter	national Patent Classification (IPC) or to both national classificat	ion and IPC	
B. FIELDS SEA	RCHED		
Minimum docume	ntation searched (classification system followed by classification	symbols)	
Int.Cl′	B66B5/00-B66B5/28		fields searched
Jitsuyo : Kokai Ji	tsuyo Shinan Koho 1971-2005 Toroku Ji	tsuyo Shinan Koho	1994-2005
Electronic data ba	se consulted during the international search (name of data base a	nd, where practicable, search te	rms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate,	of the relevant passages	Relevant to claim No.
X Y A	<pre>JP 42-20750 Y1 (Hitachi, Ltd.), 02 December, 1867 (02.12.67), (Family: none)</pre>		1-2,6-7,9,12 3-5,8 10-11
х	JP 9-40333 A (Meidensha Corp.), 10 February, 1997 (10.02.97), Par. Nos. [0015] to [0020]; Fig. 1 (Family: none)		1-3,12
Υ .	JP 2004-123279 A (Mitsubishi Elec 22 April, 2004 (22.04.04), Par. Nos. [0008] to [0009]; Figs. (Family: none)		4 – 5
1 —	ocuments are nated in the	See patent family annex.	remediated filing date or priority
"A" document defining the general state of the art which is not considered		"Inter document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be	
filing date	filing date considered novel or cannot be considered novel or can		c claimed invention cannot be
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art		th documents, such combination the art	
"P" document	published prior to the international filing date but later than the "&" declaimed	ocument member of the same patent	I family
Date of the act	Date of the international search pruary, 2005 (25.02.05)	of mailing of the international se 15 March, 2005 (15	arch report 5 . 03 . 05)
Name and mai	ling address of the ISA/ ese Patent Office Authorized	orized officer	
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Form PCT/ISA/	210 (second sheet) (January 2004)		

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). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
y	JP 8-198538 A (Shimizu Corp.), 06 August, 1996 (06.08.96), Par. No. [0017]; Fig. 4 (Family: none)	5
Y	JP 59-31274 A (Tokyo Shibaura Electric Co., Ltd.), 20 February, 1984 (20.02.84), Page 3, upper left column, line 8 to lower left column, line 8; Fig. 3 (Family: none)	8
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